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Rubber World

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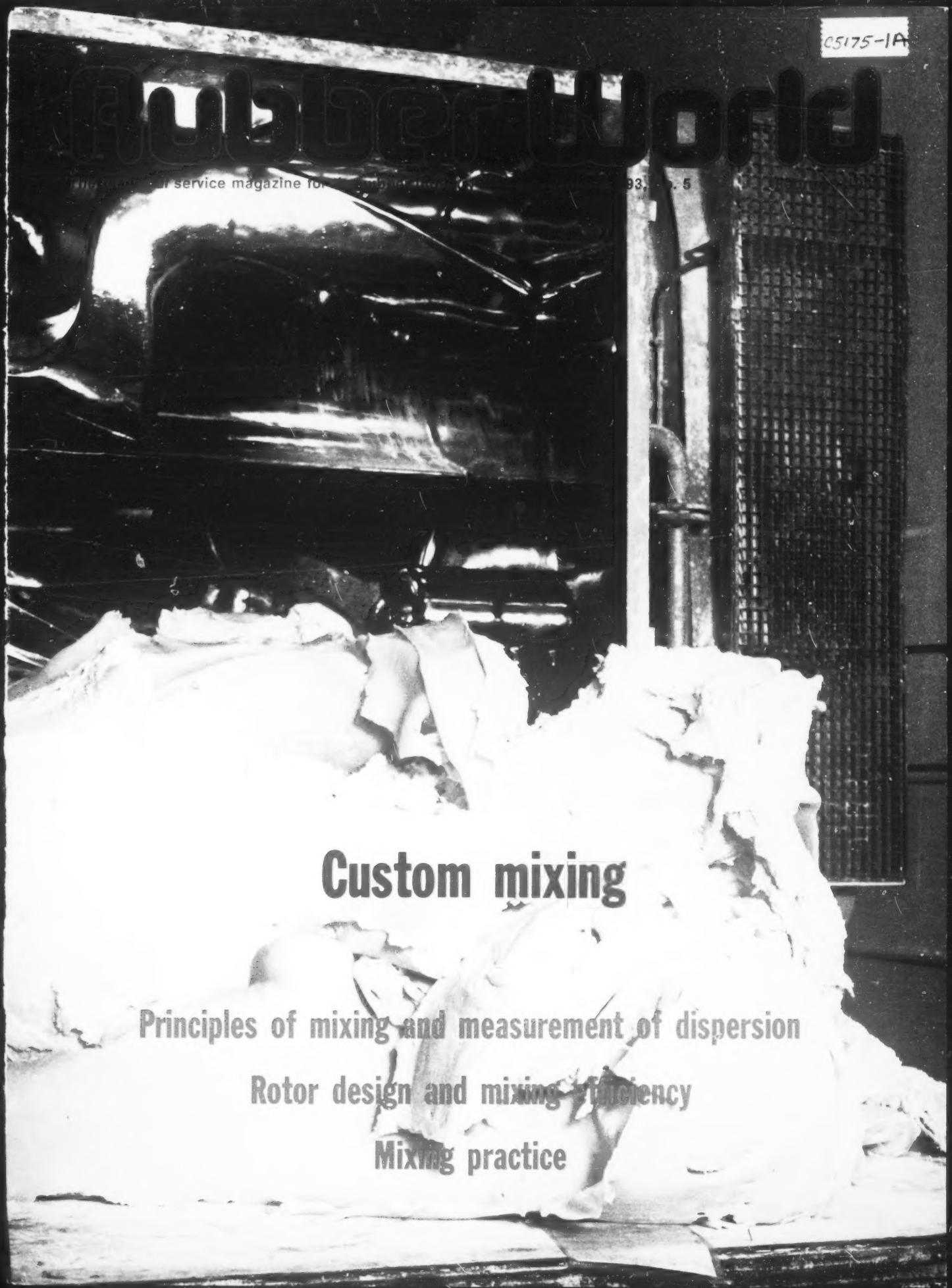

Custom mixing

Principles of mixing and measurement of dispersion

Rotor design and mixing efficiency

Mixing practice

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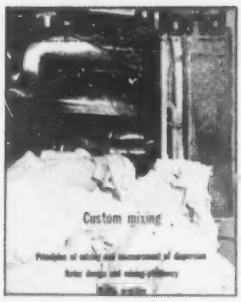

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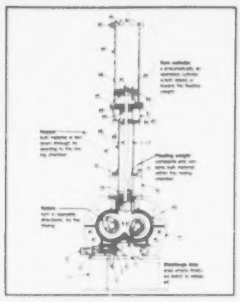

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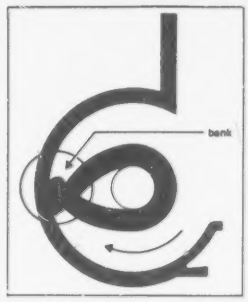

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Business Briefs

The Hudson Die Group, a division of **Hudson Machinery Worldwide**, has announced the opening of a new sales and engineering office in Troy, MI, which will service the upper midwest area.

Monsanto has set up its expanded gas separations business as an incorporated subsidiary under the name of **Permea**.

Chemstress Consultant Co. recently completed a move into its new wholly owned corporate executive offices in Akron, OH.

VenBlack announced the purchase of **Micron Filler**, producers of Kofil 500, and a subsidiary of **Harwick Chemical**.

Pro-Tread of Farmington Hills, MI announced the purchase of **Fruehauf's** truck tire retreading operations. The locations affected include operations in Ft. Worth, TX; Howell, MI; York, PA; East Hartford, CT; and Charlotte, NC.

The Materials, Chemicals and Vehicles Requirements Board of the **Department of Trade and Industry** has agreed to provide up to half of the cost of **Rapra's** Mem-

RMA rubber report through October 1985 (figures in metric tons)

	Cumulative 1985	Cumulative 1984	% Change 85 vs 84
New Rubber			
New rubber available	2,512,136	2,717,181	−7.55
Imports	886,007	875,329	1.22
Exports	305,644	323,415	−5.49
Apparent Consumption	2,218,850	2,365,542	−6.20
Natural Rubber			
Imports	650,545	672,077	−3.20
Exports	32,666	26,341	24.01
Apparent Consumption	633,127	641,216	−1.26
% Total new rubber	28.53	27.10	
Synthetic Rubber			
Production	1,626,129	1,841,852	−11.71
Imports	235,462	203,252	15.85
Exports	272,978	297,074	−8.11
Apparent Consumption	1,585,722	1,724,325	−8.04
% Total new rubber	71.46	72.89	
SBR			
Production	682,081	817,872	−16.60
Imports	82,408	61,304	34.43
Exports	70,245	88,286	−20.43
Apparent Consumption	713,532	772,111	−7.59
Nitrile			
Production	48,819	55,307	−11.73
Imports	9,897	9,785	1.14
Exports	5,496	6,614	−16.90
Apparent Consumption	51,904	55,827	−7.03
Polybutadiene			
Production	284,565	302,073	−5.80
Imports	60,234	56,514	6.58
Exports	20,885	20,220	3.29
Apparent Consumption	320,505	348,115	−7.93
Ethylene-Propylene			
Production	186,053	187,264	−.65
Imports	790	1,020	−22.55
Exports	31,264	29,338	6.56
Apparent Consumption	151,129	146,805	2.95
Butyl, Polychloroprene, Polyisoprene, Silicone and other Synthetic Elastomers			
Production	424,610	479,335	−11.42
Imports	82,133	74,629	10.06
Exports	145,088	152,616	−4.93
Apparent Consumption	348,652	401,467	−13.16

bers Technical Programme during 1986 and 1987. The Programme is valued at over £1.2 million over the two years.

Contracts, licenses

Uniroyal Power Transmission has appointed **Binkelman Bearings**, a distributor of bearings, power transmission components, and industrial hose and fittings, to handle the complete line of Uniroyal power transmission products including belts, pulleys and sprockets.

Federal-Mogul reported completion of the previously announced transactions with **NTN Toyo Bearing Co., Ltd.** for the formation of a jointly owned company which will manufacture and sell tapered and cylindrical roller bearings. The jointly owned company, named **NTN-Bower** has acquired Federal-Mogul's manufacturing operations in Hamilton, AL and Macomb, IL and related research facilities in Ann Arbor, MI for approximately $90 million.

Release Coatings of New York has named **Alcan Rubber & Chemical** the exclusive worldwide marketer for its release agents.

Patented technology for moisture cure silane crosslinking of polyolefin resins is being offered for license by the Specialty Chemicals Division of **Union Carbide**. The technology is based on the use of Union Carbide's proprietary Silcat crosslinking chemicals.

RMA tire shipments & production report through November 1985 (figures in thousands of units)

Passenger Tires	YTD 1985	YTD 1984	% Change
Shipments			
Original Equipment	51,120	47,142	+8.44
Radial	42,631	39,499	+7.93
Replacement	130,691	134,771	−3.03
Radial	106,115	101,917	+4.12
Export	4,317	5,495	−21.44
Radial	3,333	3,998	−16.59
Total	186,128	187,408	−0.68
Radial	152,079	145,412	+4.58
Production	151,099	159,959	−5.54
Radial	121,176	121,373	−0.16
Ending Inventory	—	—	—
Radial	—	—	—
Truck & Bus Tires			
Shipments			
Original Equipment	7,183	7,304	−1.66
Radial	4,543	3,835	+18.46
Replacement	29,588	29,357	+0.79
Radial	12,824	10,416	+23.12
Export	1,233	1,231	−0.16
Radial	661	562	+17.62
Total	38,004	37,892	+0.30
Radial	18,028	14,813	+21.70
Production	31,088	33,735	−7.85
Radial	13,751	12,688	+8.38
Ending Inventory	—	—	—
Radial	—	—	—

Mitchell, the Elkhart, IN manufacturer of cutting and grinding machinery for rubber products, has appointed Sam Di Paolo as the company's sales representative.

Financial statements

Blasius Industries reported net earnings of $324,000 on net sales of $10.5 million for the second quarter of 1985.

Markets, news

The rebound in new car sales to record levels will contribute to slower growth in the automotive replacement products industry in 1986, Goodyear predicts. The belts and hose industry should reach $927 million in retail sales, up 2% from the record $909 million in 1985. Unit sales of V-belts and hoses will increase for the fourth straight year, the company said.

United Rubber Workers president Milan Stone asked the U.S. Congress to place restrictions on imported tires and rubber products to "effectively protect this once-thriving industry from the unfair deluge of imports which is like a growing cancer in our nation." Stone said that imports in the tire replacement market have increased from

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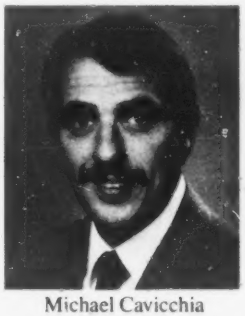
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